TecLocal 4.0 MultiUser Database

Installation Manual: Buyer Mode & Multi-User (Part I - Server)

Version: 1.0

Author: TecCom Solution Management (MBI)

Date: 13.05.2014

In compiling these texts and figures the greatest care was taken. However, it is not possible to exclude errors completely in the user manual.

The publisher and authors are grateful for suggestions for improvement and for information about errors.

The companies, other names, and dates used in the examples are purely fictitious.

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Content

1 Purpose of the document 4
2 Installation Prerequisites 5
2.1 Installing Microsoft.NET Framework 4.0 5
2.2 Microsoft .NET Framework 3.5 SP1 installation 7
2.3 Microsoft SQL Server 2008 R2 SP2 Express with Tools installation 11
2.3.1 Download 11
2.3.2 Installation on 64-bit Operating Systems 12
2.3.3 Completing the SQL Server 2008 R2 SP2 Express Edition Installation 16
3 TecLocal 4.0 MultiUser Database Installation 18
3.1 Installation with a new empty Database 18
3.2 Installation using an existing MS Access Database 21
4 TecLocal 4.0 MultiUser Database Maintenance Administration 25
4.1 Tab “Maintenance” 25
4.2 Size Alerts 26
4.3 Scheduling 27
5 Trouble Shooting 28
5.1 Open Ports to connect TecLocal client with SQL databases 28
5.2 TecCom Helpdesk 29

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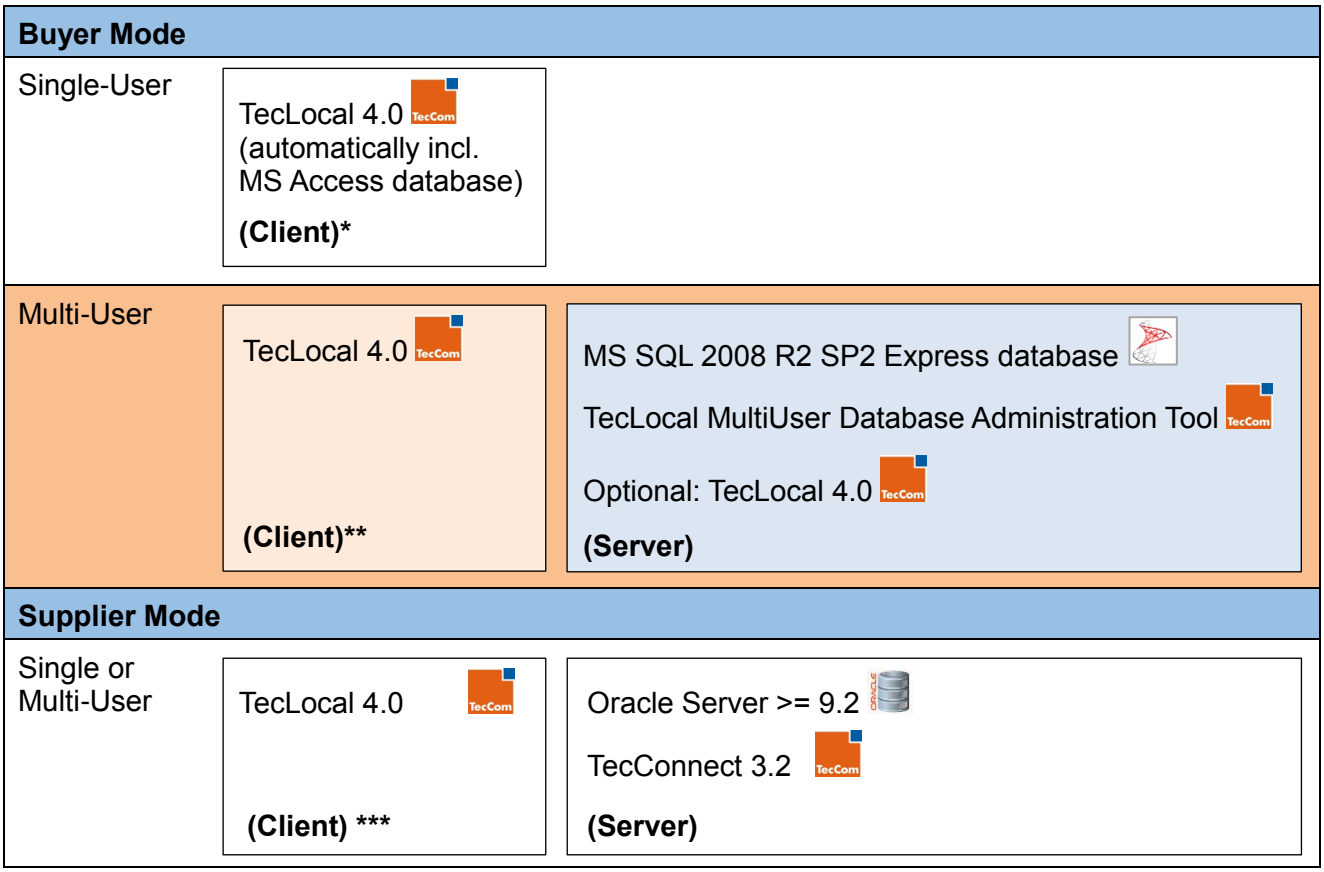
1 Purpose of the document

TecLocal 4.0 is part of the TecOrder solution which automates the business processes between manufacturers and wholesalers. TecLocal 4.0 can run in different modes, fulfilling different tasks. During the installation it needs to be specified in which mode TecLocal should run.

The following document provides detailed instructions on how to install the **server** for TecLocal 4.0 in **multi-user buyer mode.**

If TecLocal4.0 is run in mutli-user mode, the software's client is installed on more than one machine whereas a centrally used MS SQL Express database containing application data is stored on a server. This mode is marked orange in the graphic below.



Picture: Overview of the different modes in which TecLocal can run including the required components

***** See separate installation manual **INS_TecLocal_InstallationManual_Buyer_Single-User_Client_v4.0_en.pdf**

****** See separate installation manual **INS_TecLocal_InstallationManual_Buyer_Multi-User_Part_II_Client_v4.0_en.pdf**

******* See separate installation manual **INS_TecLocal_InstallationManual_Supplier_Client_v4.0_en.pdf**

If TecLocal 4.0 runs in buyer mode as multi-user installation, it means that it is **used by several users** of one company **on the buyer side** (wholesale dealer and other replacement part buyers) to check a product's availability, clarify delivery dates, order replacement parts, confirm orders, notify of deliveries and receive invoices.

Note: In former TecLocal versions it was possible to store the application data in this multi-user scenario in an MS Access database. Due to occurring problems this is not supported anymore. Instead of the MS Access database a preinstalled MS SQL 2008 R2 Express database server (free of charge, database size limited to 10 GB) is used.

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Please note that in order to successfully install the TecLocal 4.0 client, a connection to the SQL server instance with administrator credentials is required (see **INS_TecLocal_Installation Manual_Buyer_Multi-User_Part_II_Client_v4.0_en.pdf** for more details).

2 Installation Prerequisites

In order to successfully install and use TecLocal 4.0 MultiUser Database the following software has to be installed on the target machine:

- **Microsoft .NET Framework 4.0**
- **Microsoft SQL Server 2008 R2 SP2 Express with Tools**

The Installation **of Microsoft SQL Server 2008 R2 SP2 Express with Tools** requires:

- Windows Installer 4.5
- Microsoft .NET Framework 3.5 SP1
- Windows PowerShell

If Microsoft SQL Server 2008 R2 SP2 Express with Tools is already installed on your machine, please skip to chapter “3 TecLocal 4.0 MultiUser Database Installation”.

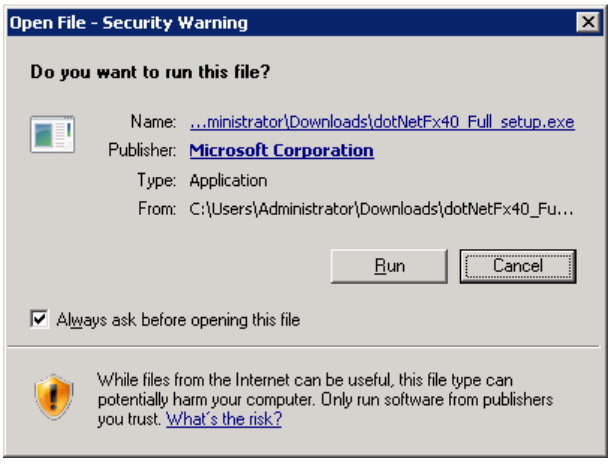
If Microsoft.NET Framework 4.0 is already installed on your machine, please skip to chapter “2.2 Microsoft .NET Framework 3.5 SP1 installation”.

Note: If you want to migrate application data from an existing TecLocal installation the TecLocal version 3.0 Patch D needs to be preinstalled.

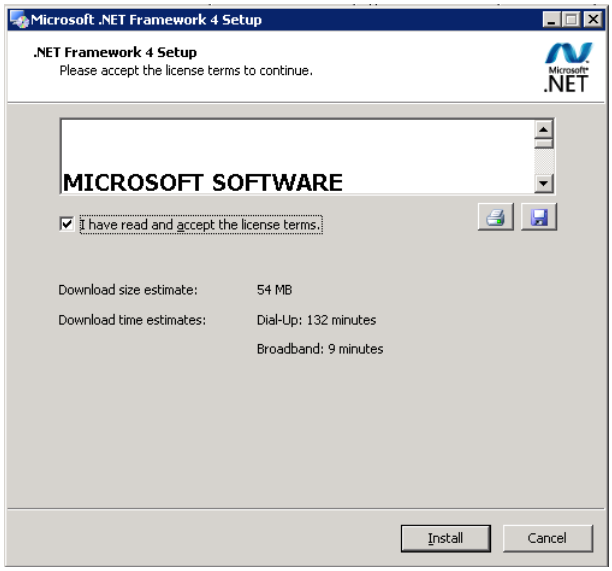
2.1 Installing Microsoft.NET Framework 4.0

After downloading Microsoft Framework 4.0 from the following link, start the setup:
http://www.microsoft.com/download/en/details.aspx?id=17851 .

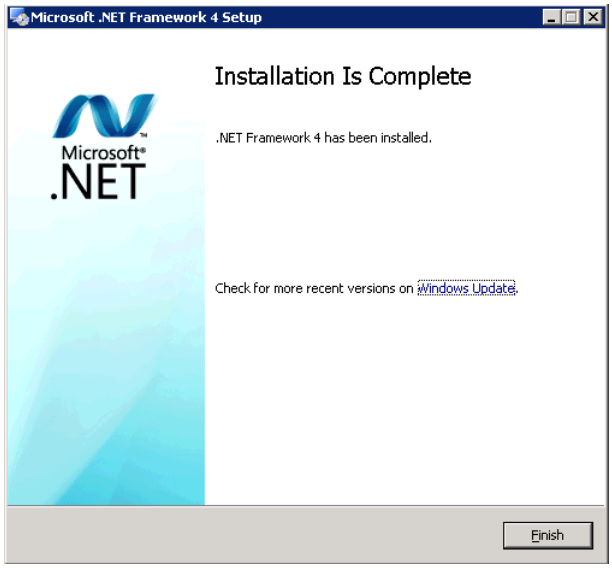
In the dialog **Security Warning**, click **Run**.


Open File - Security Warning
Do you want to run this file?
Name: ...ministrator\Downloads\dotNetFx40_Full_setup.exe
Publisher: Microsoft Corporation
Type: Application
From: C:\Users\Administrator\Downloads\dotNetFx40_Fu...
Run
Cancel
Always ask before opening this file
While files from the Internet can be useful, this file type can potentially harm your computer. Only run software from publishers you trust. What's the risk?

Activate the checkbox **I have read and accept the license terms** and click **Install**.



Click on **Finish** to complete the installation process.
Reboot your maschine if required.


Microsoft .NET Framework 4 Setup
Installation Is Complete
.NET Framework 4 has been installed.
Check for more recent versions on Windows Update.
Finish

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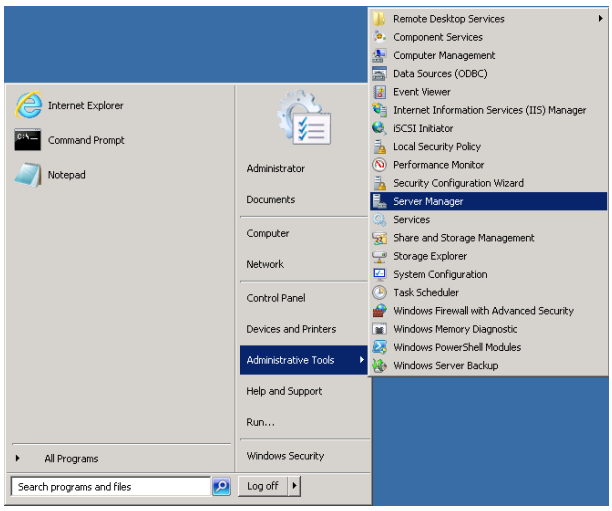
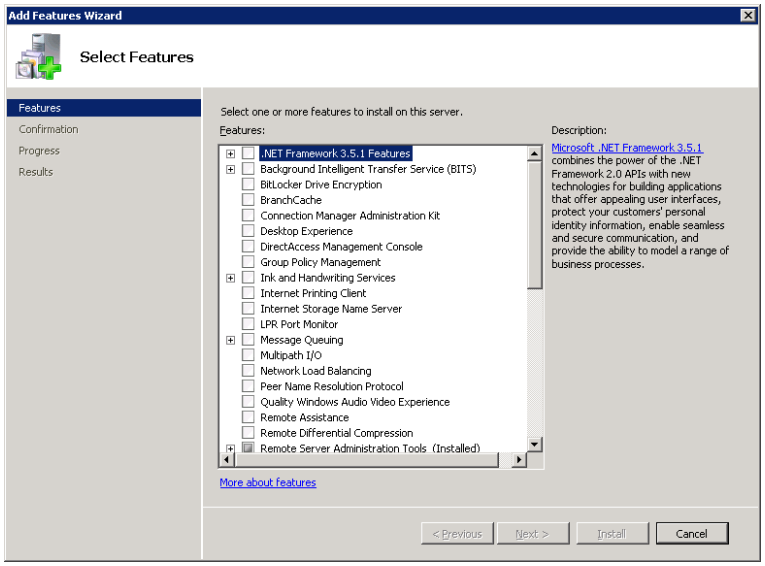
2.2 Microsoft .NET Framework 3.5 SP1 installation

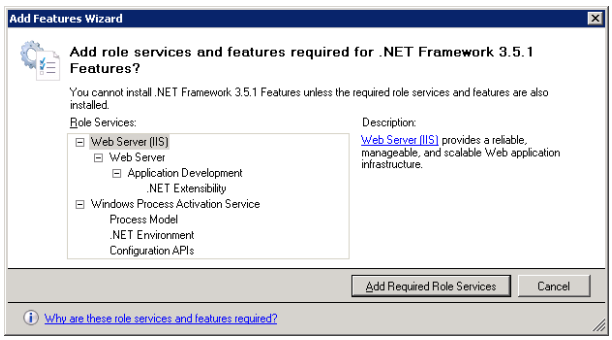
To install Microsoft .NET Framework 3.5 SP1 in Windows Server 2008 R2, go to **Start** →**Administrative Tools** → **Server Manager**:



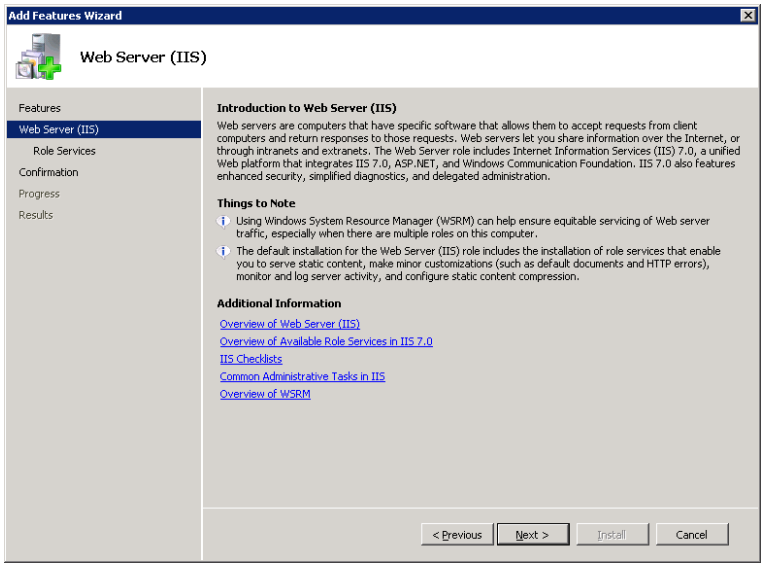
In the Server Manager panel click on **Features**, then **Add Features***:*


Add Features Wizard
Select Features
Features
Confirmation
Progress
Results
Select one or more features to install on this server.
Features:
.NET Framework 3.5.1 Features
Background Intelligent Transfer Service (BITS)
BitLocker Drive Encryption
BranchCache
Connection Manager Administration Kit
Desktop Experience
DirectAccess Management Console
Group Policy Management
Ink and Handwriting Services
Internet Printing Client
Internet Storage Name Server
LPR Port Monitor
Message Queuing
Multipath I/O
Network Load Balancing
Peer Name Resolution Protocol
Quality Windows Audio Video Experience
Remote Assistance
Remote Differential Compression
Remote Server Administration Tools (Installed)
Description:
Microsoft .NET Framework 3.5.1 combines the power of the .NET Framework 2.0 APIs with new technologies for building applications that offer appealing user interfaces, protect your customers' personal identity information, enable seamless and secure communication, and provide the ability to model a range of business processes.
More about features
< Previous
Next >
Install
Cancel

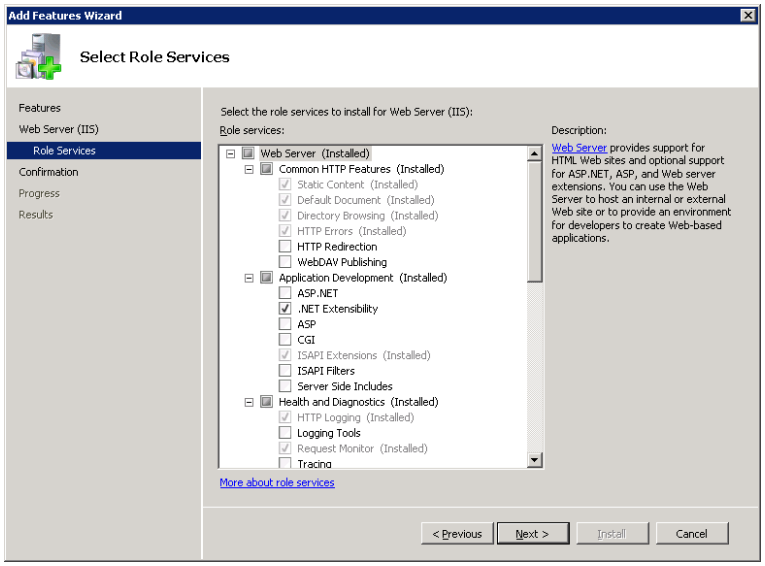
Select .**NET Framework 3.5.1 Features**, if you need to add new roles and/or features. The **Add features wizard** will display the following:


Add Features Wizard
Add role services and features required for .NET Framework 3.5.1 Features?
You cannot install .NET Framework 3.5.1 Features unless the required role services and features are also installed.
Role Services:
Web Server (IIS)
Web Server
Application Development
.NET Extensibility
Windows Process Activation Service
Process Model
.NET Environment
Configuration APIs
Description:
Web Server (IIS) provides a reliable, manageable, and scalable Web application infrastructure.
Add Required Role Services
Cancel
Why are these role services and features required?

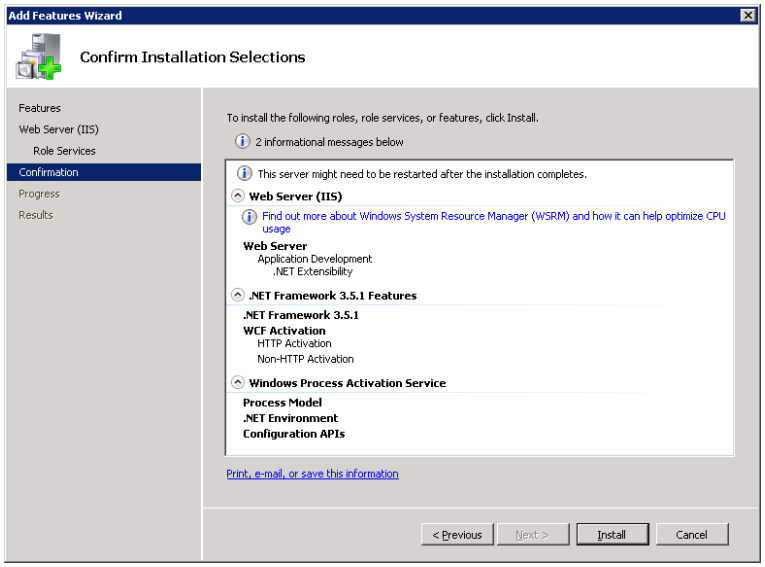
First click on **Add Required Role Services** and then click on **Next**.


Add Features Wizard
Web Server (IIS)
Features
Web Server (IIS)
Role Services
Confirmation
Progress
Results
Introduction to Web Server (IIS)
Web servers are computers that have specific software that allows them to accept requests from client computers and return responses to those requests. Web servers let you share information over the Internet, or through intranets and extranets. The Web Server role includes Internet Information Services (IIS) 7.0, a unified Web platform that integrates IIS 7.0, ASP.NET, and Windows Communication Foundation. IIS 7.0 also features enhanced security, simplified diagnostics, and delegated administration.
Things to Note
Using Windows System Resource Manager (WSRM) can help ensure equitable servicing of Web server traffic, especially when there are multiple roles on this computer.
The default installation for the Web Server (IIS) role includes the installation of role services that enable you to serve static content, make minor customizations (such as default documents and HTTP errors), monitor and log server activity, and configure static content compression.
Additional Information
Overview of Web Server (IIS)
Overview of Available Role Services in IIS 7.0
IIS Checklists
Common Administrative Tasks in IIS
Overview of WSRM
< Previous
Next >
Install
Cancel

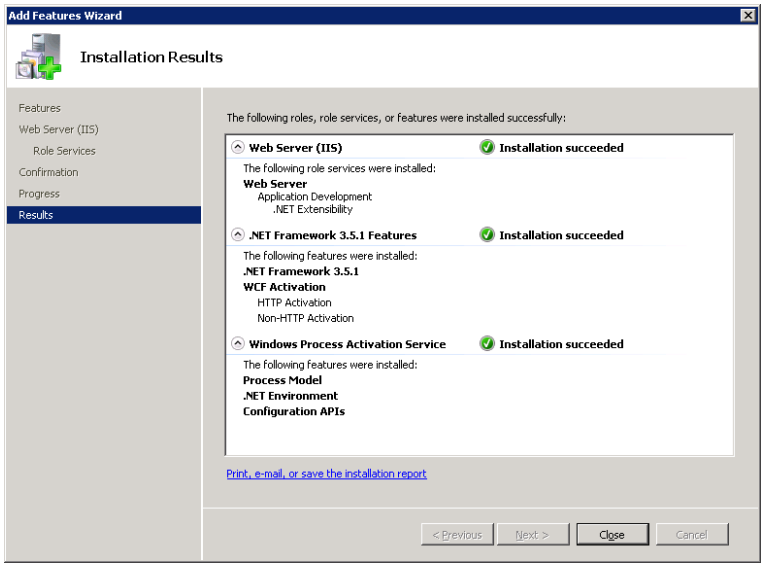
Click **Next**.



Click **Install**.

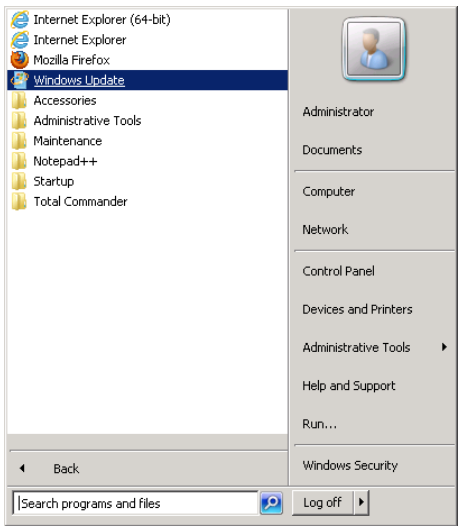


Click **Close**.

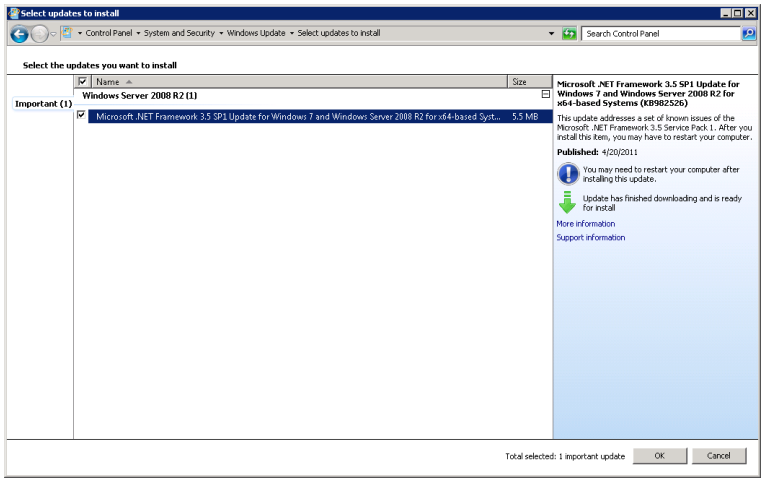


You are now ready to install the Microsoft .NET Framework 3.5 SP1:

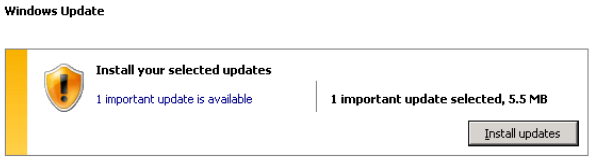
Go to **Start** → **All Programs** → **Windows Update**

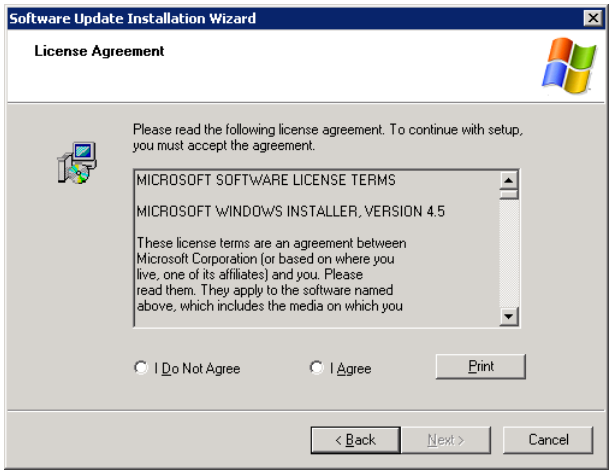


Select **Microsoft .NET Framework 3.5 SP1 Update for Windows 7 and Windows Server 2008 R2 for x64-based Systems (KB982526)** then click **OK**.

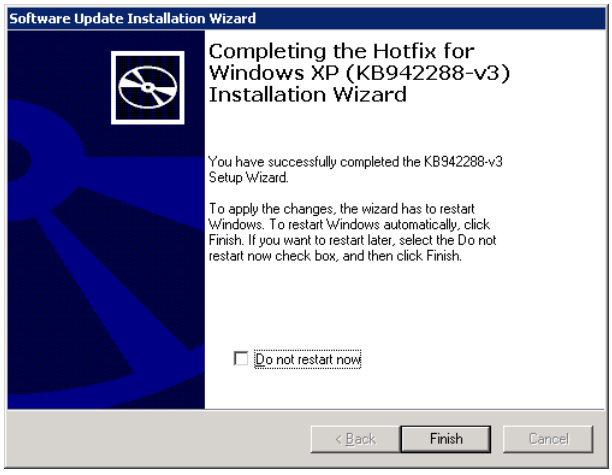

Select updates to install
Control Panel ▸ System and Security ▸ Windows Update ▸ Select updates to install
Search Control Panel
Select the updates you want to install
Name
Size
Important (1)
Windows Server 2008 R2 (1)
Microsoft .NET Framework 3.5 SP1 Update for Windows 7 and Windows Server 2008 R2 for x64-based Syst...
5.5 MB
Microsoft .NET Framework 3.5 SP1 Update for Windows 7 and Windows Server 2008 R2 for x64-based Systems (KB982526)
This update addresses a set of known issues of the Microsoft .NET Framework 3.5 Service Pack 1. After you install this item, you may have to restart your computer.
Published: 4/20/2011
You may need to restart your computer after installing this update.
Update has finished downloading and is ready for install
More information
Support information
Total selected: 1 important update
OK
Cancel

Click **Install Updates**.




Software Update Installation Wizard
License Agreement
Please read the following license agreement. To continue with setup, you must accept the agreement.
MICROSOFT SOFTWARE LICENSE TERMS
MICROSOFT WINDOWS INSTALLER, VERSION 4.5
These license terms are an agreement between Microsoft Corporation (or based on where you live, one of its affiliates) and you. Please read them. They apply to the software named above, which includes the media on which you
I Do Not Agree
I Agree
Print
< Back
Next >
Cancel

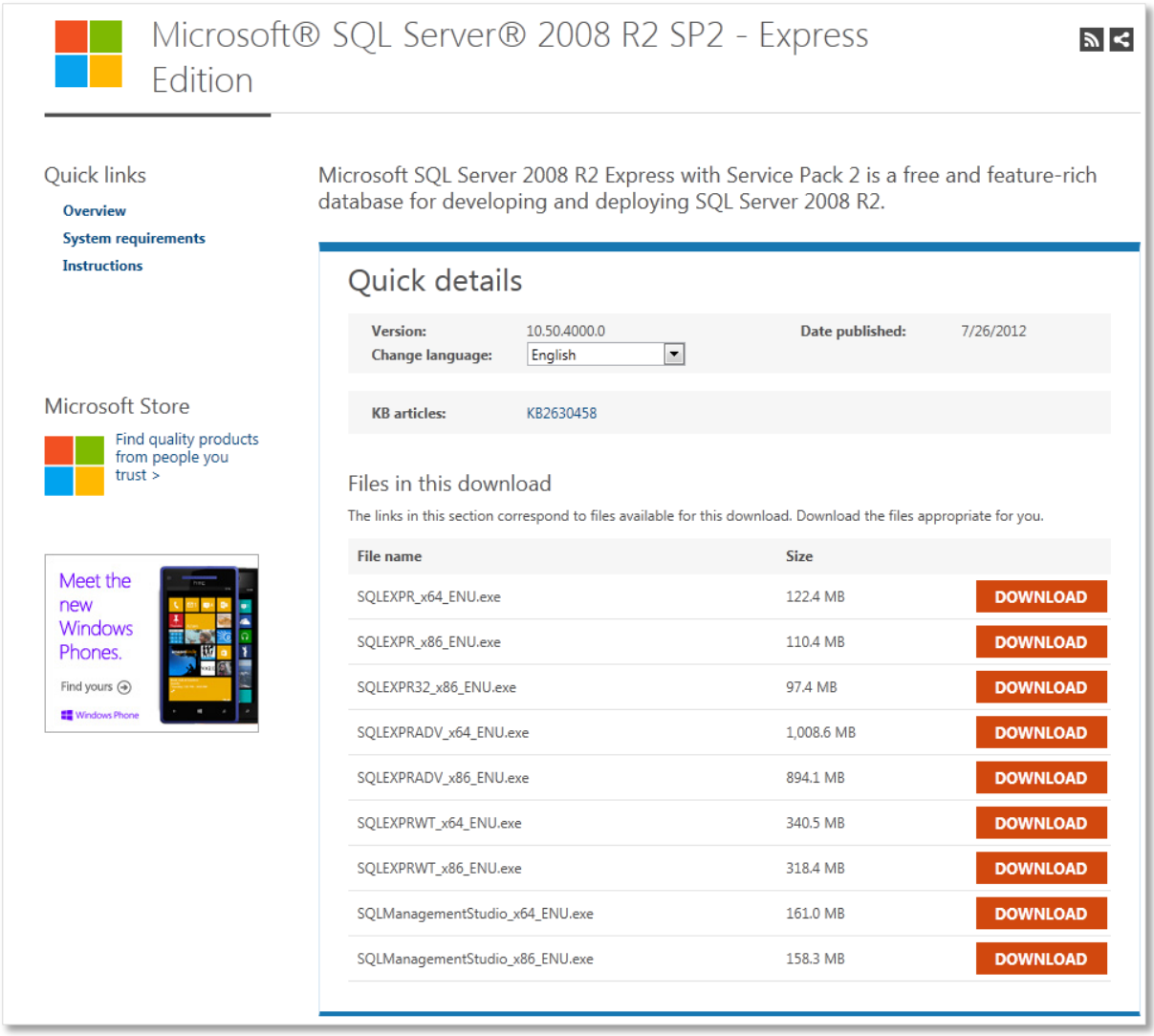
Select **I Agree**, then **Next**.


Software Update Installation Wizard
Completing the Hotfix for Windows XP (KB942288-v3) Installation Wizard
You have successfully completed the KB942288-v3 Setup Wizard.
To apply the changes, the wizard has to restart Windows. To restart Windows automatically, click Finish. If you want to restart later, select the Do not restart now check box, and then click Finish.
Do not restart now
< Back
Finish
Cancel

2.3 Microsoft SQL Server 2008 R2 SP2 Express with Tools installation

2.3.1 Download

Download **Microsoft SQL Server 2008 R2 SP2 Express with Tools** from
http://www.microsoft.com/en-us/download/details.aspx?id=30438


Microsoft® SQL Server® 2008 R2 SP2 - Express Edition
Quick links
Overview
System requirements
Instructions
Microsoft Store
Find quality products from people you trust >
Meet the new Windows Phones.
Find yours
Windows Phone
Microsoft SQL Server 2008 R2 Express with Service Pack 2 is a free and feature-rich database for developing and deploying SQL Server 2008 R2.
Quick details
Version: 10.50.4000.0
Date published: 7/26/2012
Change language: English
KB articles: KB2630458
Files in this download
The links in this section correspond to files available for this download. Download the files appropriate for you.
File name
Size
SQLEXPR_x64_ENU.exe 122.4 MB DOWNLOAD
SQLEXPR_x86_ENU.exe 110.4 MB DOWNLOAD
SQLEXPR32_x86_ENU.exe 97.4 MB DOWNLOAD
SQLEXPRADV_x64_ENU.exe 1,008.6 MB DOWNLOAD
SQLEXPRADV_x86_ENU.exe 894.1 MB DOWNLOAD
SQLEXPRWT_x64_ENU.exe 340.5 MB DOWNLOAD
SQLEXPRWT_x86_ENU.exe 318.4 MB DOWNLOAD
SQLManagementStudio_x64_ENU.exe 161.0 MB DOWNLOAD
SQLManagementStudio_x86_ENU.exe 158.3 MB DOWNLOAD

Select the appropriate version depending on your OS and download, e.g. **SQLEX-PRWT_x64_ENU.exe** for 64-bit operating systems.

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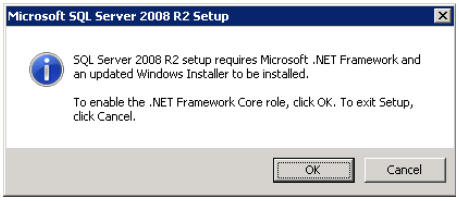
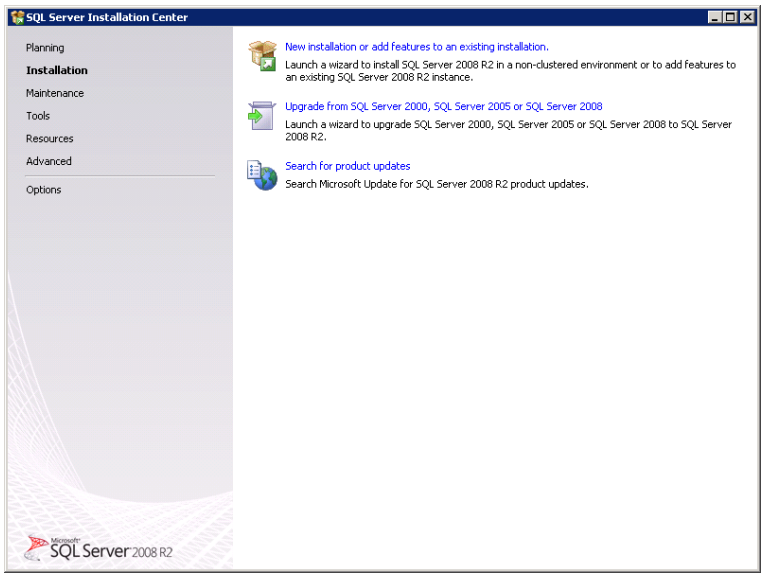
2.3.2 Installation on 64-bit Operating Systems

To install Microsoft SQL Server 2008 R2 SP2 Express Edition with tools on 64-bit operating systems, double right click **SQLEXPRWT_x64_ENU.exe** and select **Execute as administrator**.

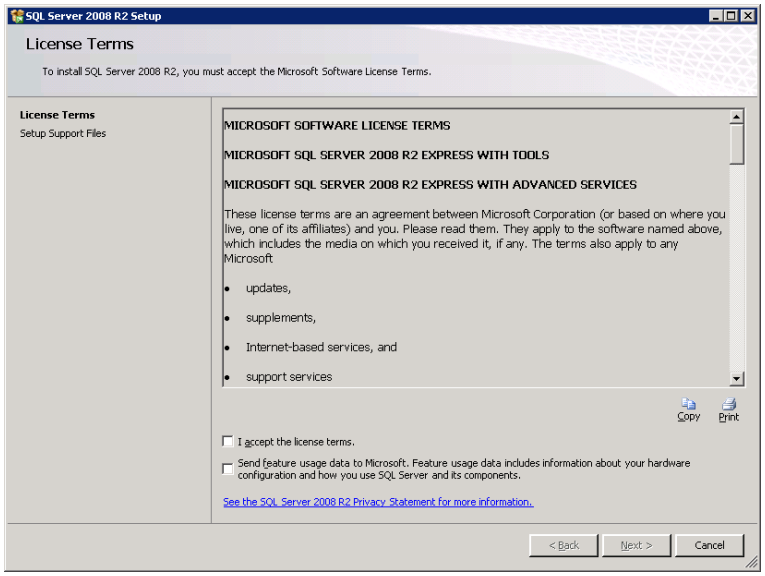
If the following message is shown click **OK**.


Microsoft SQL Server 2008 R2 Setup
SQL Server 2008 R2 setup requires Microsoft .NET Framework and an updated Windows Installer to be installed.
To enable the .NET Framework Core role, click OK. To exit Setup, click Cancel.
OK
Cancel

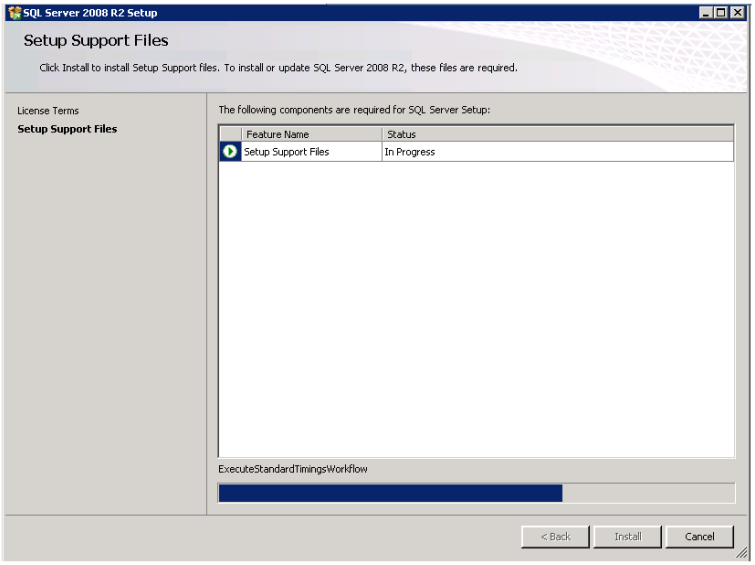
After a while the following window will be shown. Click **New installation or add features to an existing installation**.


SQL Server Installation Center
Planning
Installation
Maintenance
Tools
Resources
Advanced
Options
New installation or add features to an existing installation.
Launch a wizard to install SQL Server 2008 R2 in a non-clustered environment or to add features to an existing SQL Server 2008 R2 instance.
Upgrade from SQL Server 2000, SQL Server 2005 or SQL Server 2008
Launch a wizard to upgrade SQL Server 2000, SQL Server 2005 or SQL Server 2008 to SQL Server 2008 R2.
Search for product updates
Search Microsoft Update for SQL Server 2008 R2 product updates.
SQL Server 2008 R2

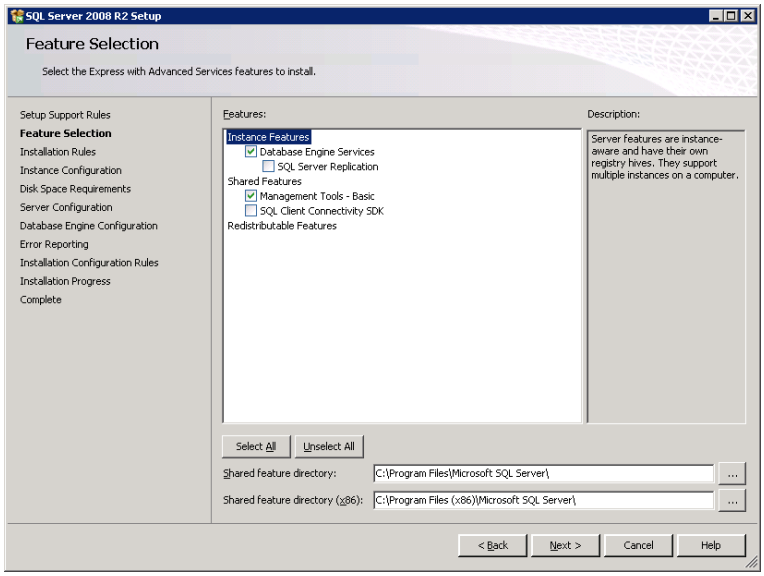
Activate the checkbox **I accept the license terms** and click **Next**.


SQL Server 2008 R2 Setup
License Terms
To install SQL Server 2008 R2, you must accept the Microsoft Software License Terms.
License Terms
Setup Support Files
MICROSOFT SOFTWARE LICENSE TERMS
MICROSOFT SQL SERVER 2008 R2 EXPRESS WITH TOOLS
MICROSOFT SQL SERVER 2008 R2 EXPRESS WITH ADVANCED SERVICES
These license terms are an agreement between Microsoft Corporation (or based on where you live, one of its affiliates) and you. Please read them. They apply to the software named above, which includes the media on which you received it, if any. The terms also apply to any Microsoft
updates,
supplements,
Internet-based services, and
support services
Copy
Print
I accept the license terms.
Send feature usage data to Microsoft. Feature usage data includes information about your hardware configuration and how you use SQL Server and its components.
See the SQL Server 2008 R2 Privacy Statement for more information.
< Back
Next >
Cancel

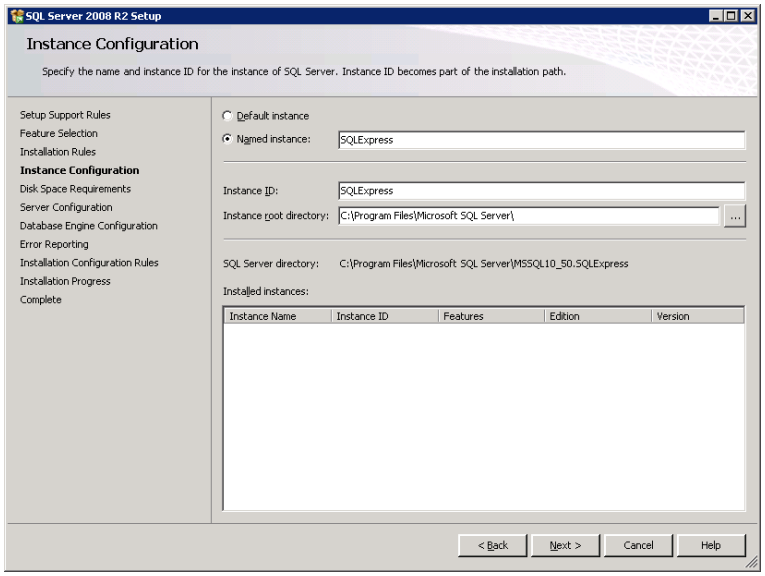
All required support files are installed automatically.



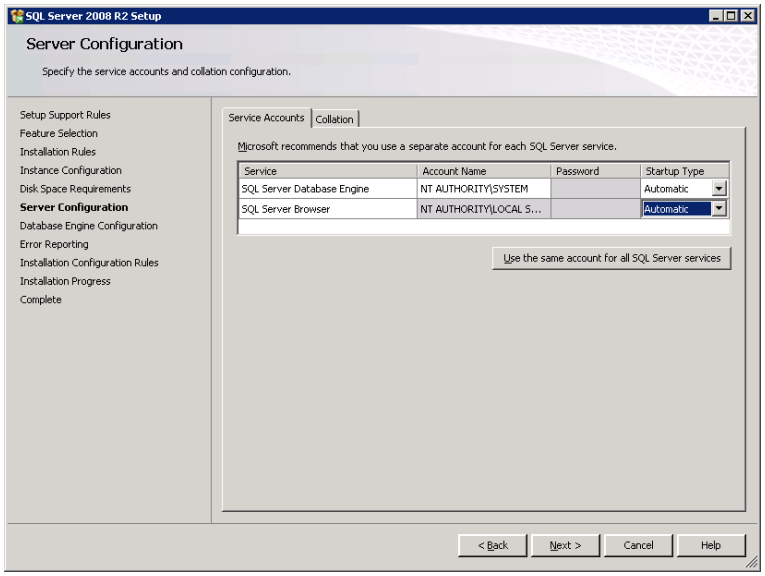
In the **Feature Selection dialog tab,** activate the checkboxes **Database Engine Services** and **Management Tools–Basic**, then click **Next**.



Click **Next**.



Select **NT AUTHORITY\SYSTEM** as the **account name** for the SQL Server Database Engine**.** Select **Automatic** as the **Startup Type** for your SQL Server Browser, then click on **Next**.



Select **Mixed Mode (SQL Server authentication and Windows authentication).** Enter a secure password for the SQL-Server system administrator (sa) and make sure that you remember it later. Add at least one user in **Specify SQL Server administrators**. If you want to add the current user, click **Add Current User**. Afterwards click **Next**.

Note: These users will be able to login to the SQL Server where the can create a database connection to the TecLocal 4.0 MultiUser Database and fulfill administrative task. In addition these users are needed for the TecLocal 4.0 MultiUser Database Installation - details see “3 TecLocal 4.0 MultiUser Database Installation”.

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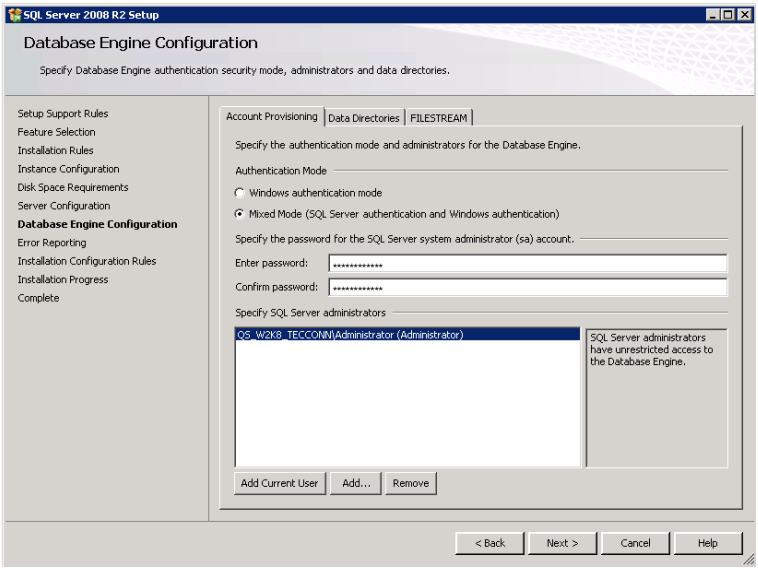
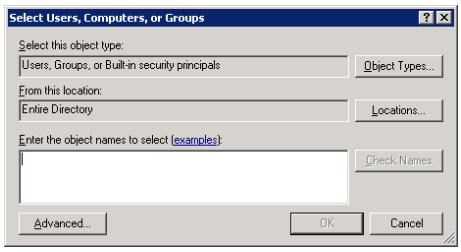
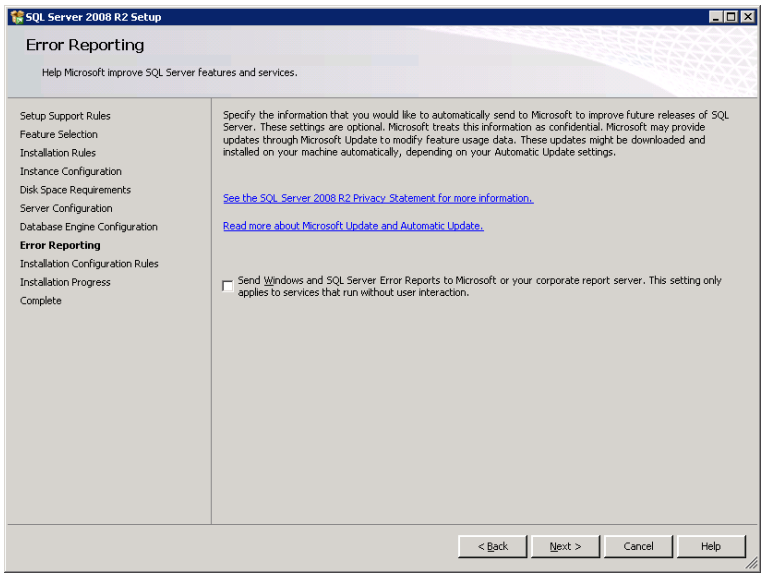


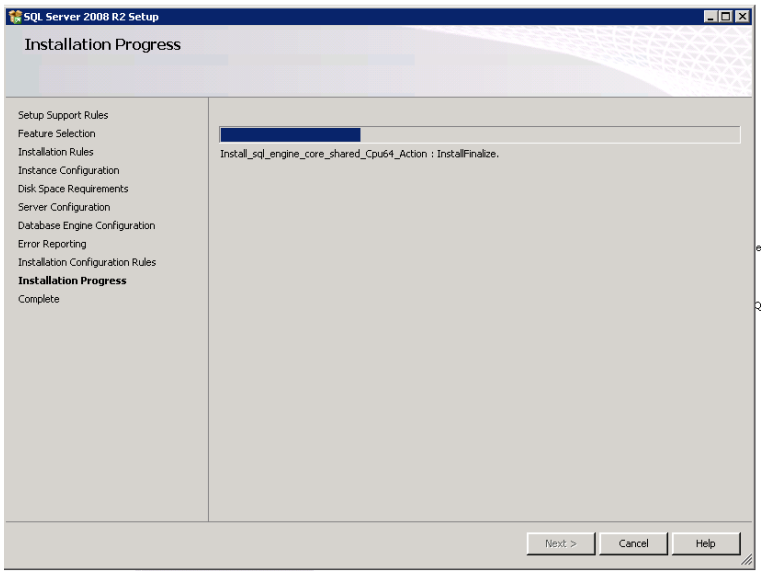
Note: To add more users, click on **Add...** in the main dialog. A sub dialog is displayed. Select the users you want to add. To return to the main dialog, click **OK** then **Next**.



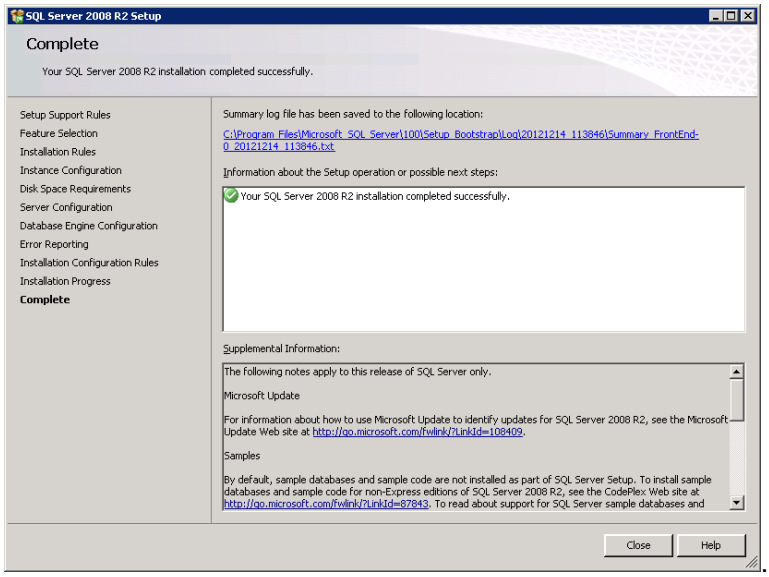
Click **Next**.


SQL Server 2008 R2 Setup
Error Reporting
Help Microsoft improve SQL Server features and services.
Setup Support Rules
Feature Selection
Installation Rules
Instance Configuration
Disk Space Requirements
Server Configuration
Database Engine Configuration
Error Reporting
Installation Configuration Rules
Installation Progress
Complete
Specify the information that you would like to automatically send to Microsoft to improve future releases of SQL Server. These settings are optional. Microsoft treats this information as confidential. Microsoft may provide updates through Microsoft Update to modify feature usage data. These updates might be downloaded and installed on your machine automatically, depending on your Automatic Update settings.
See the SQL Server 2008 R2 Privacy Statement for more information.
Read more about Microsoft Update and Automatic Update.
Send Windows and SQL Server Error Reports to Microsoft or your corporate report server. This setting only applies to services that run without user interaction.
< Back
Next >
Cancel
Help

The installation process continues automatically.



Click **Close** to finish the installation.


SQL Server 2008 R2 Setup
Complete
Your SQL Server 2008 R2 installation completed successfully.
Setup Support Rules
Feature Selection
Installation Rules
Instance Configuration
Disk Space Requirements
Server Configuration
Database Engine Configuration
Error Reporting
Installation Configuration Rules
Installation Progress
Complete
Summary log file has been saved to the following location:
C:\Program Files\Microsoft SQL Server\100\Setup Bootstrap\Log\20121214_113846\Summary_FrontEnd-0_20121214_113846.txt
Information about the Setup operation or possible next steps:
Your SQL Server 2008 R2 installation completed successfully.
Supplemental Information:
The following notes apply to this release of SQL Server only.
Microsoft Update
For information about how to use Microsoft Update to identify updates for SQL Server 2008 R2, see the Microsoft Update Web site at http://go.microsoft.com/fwlink/?LinkId=108409.
Samples
By default, sample databases and sample code are not installed as part of SQL Server Setup. To install sample databases and sample code for non-Express editions of SQL Server 2008 R2, see the CodePlex Web site at http://go.microsoft.com/fwlink/?LinkId=87843. To read about support for SQL Server sample databases and
Close
Help

Finally close the **SQL Server Installation Center**.

2.3.3 Completing the SQL Server 2008 R2 SP2 Express Edition Installation

In order to install the TecLocal 4.0 Multiuser Database, TCP/IP for SQL Express must be enabled. To do this, carry out the following steps:

1. Open the **SQL Server Configuration Manager** via **Start → Microsoft SQL Server 2008 R2 → Configuration Tools.**
2. In the left panel of the **SQL Server Configuration Manager** expand the node **SQL Server Network Configuration**, then select **Protocols for SQLEXPRESS** and in the right panel select **TCP/IP**

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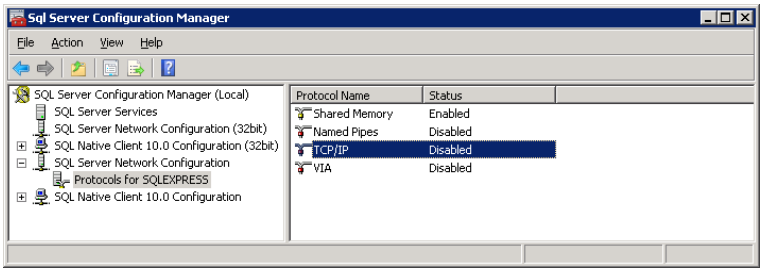
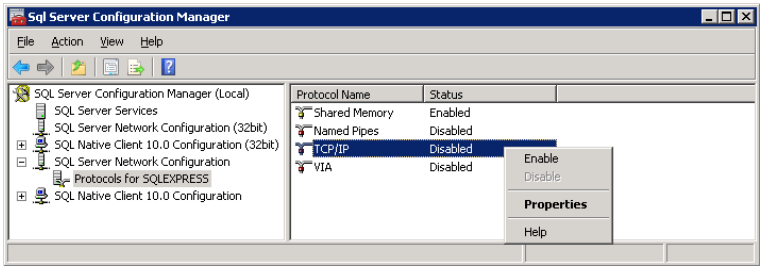
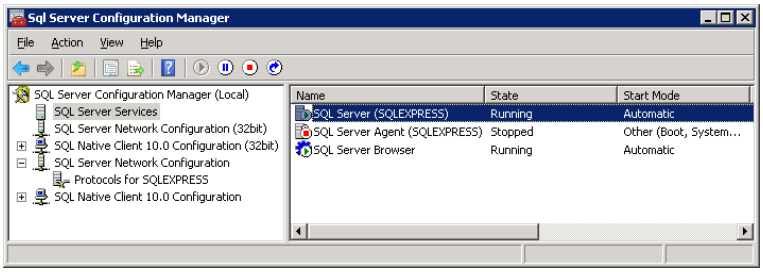


3. Right click on TCP/IP and select Enable.

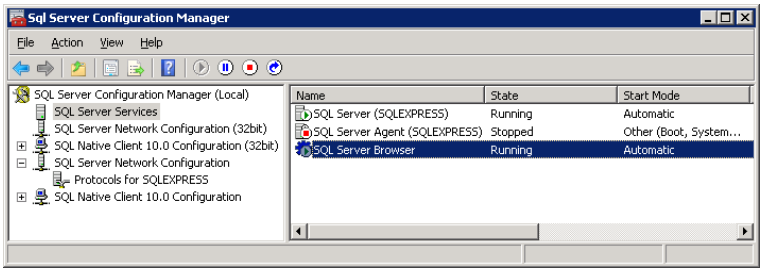


4. Select **SQL Server Services in the left panel and SQL Server (SQLEXPRESS) in the right panel**



5. Click to restart the service.

6. Select **SQL Server Browser in the right panel.**



Click to restart the service.

3 TecLocal 4.0 MultiUser Database Installation

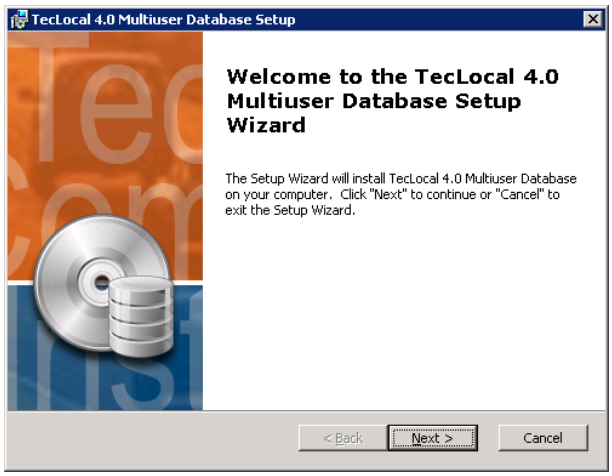
The MultiUser Database must be installed on the same machine where the SQL express database was installed previously. Maintenance application and automation services should preferably run on the same machine. Backup paths always refer to paths on the machine where SQL server is installed.

3.1 Installation with a new empty Database

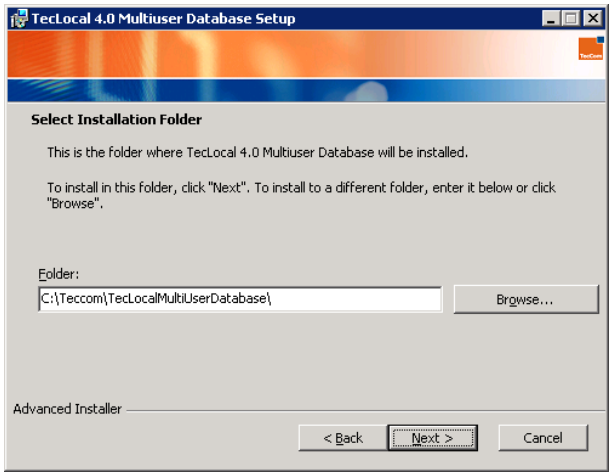
If you **don't have an existing TecLocal version** or if you **don't want to migrate** the application data from your existing TecLocal version, you will have to create a new empty database. To do so, please follow the steps detailed below.

Note: To migrate application data from an existing TecLocal version to the new database, please follow the instructions as described in chapter "**3.2 Installation using an existing MS Access Database"**.

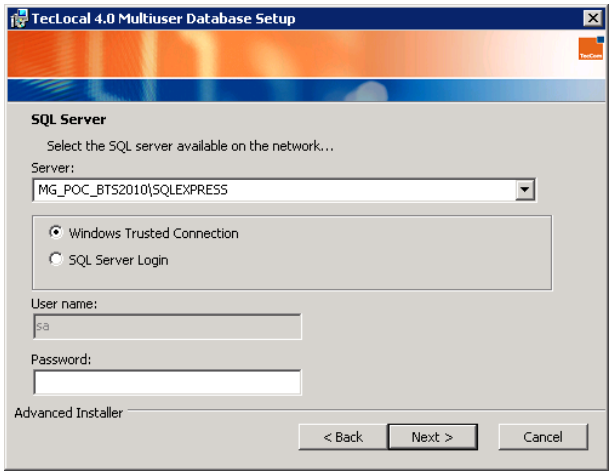
Double click the TecLocal 4.0 MultiUser Database setup file **TecLocalMultiUserDatabase.exe** then click **Next**.


TecLocal 4.0 Multiuser Database Setup
Welcome to the TecLocal 4.0 Multiuser Database Setup Wizard
The Setup Wizard will install TecLocal 4.0 Multiuser Database on your computer. Click "Next" to continue or "Cancel" to exit the Setup Wizard.
< Back
Next >
Cancel

Select the installation folder and click **Next** to continue.

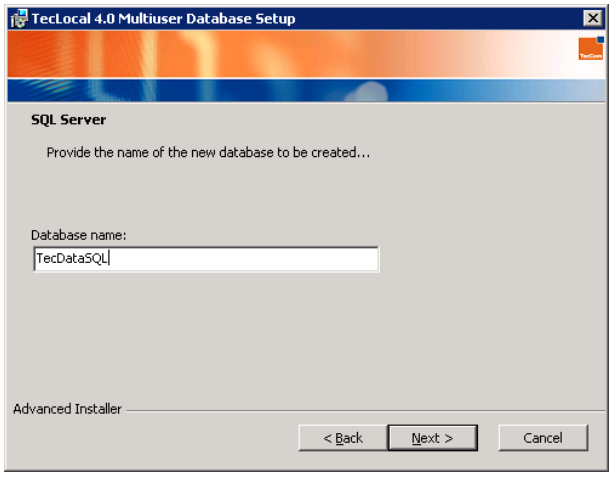

TecLocal 4.0 Multiuser Database Setup
Select Installation Folder
This is the folder where TecLocal 4.0 Multiuser Database will be installed.
To install in this folder, click "Next". To install to a different folder, enter it below or click "Browse".
Folder:
C:\Teccom\TecLocalMultiUserDatabase\
Browse...
Advanced Installer
< Back
Next >
Cancel

Select a **Server** and login method. If **Windows Trusted Connection** is selected, no further input is needed. If you select **SQL Server Login**, enter the username and provide the password you selected during the installation of SQL 2008R2 SP2 EXPRESS: Click **Next** after completing the above steps

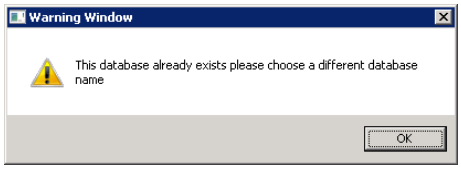


Enter a database name and click on **Next**.

Important note: Please make sure you memorize both server and database name when for TecLocal 4.0 clients.



If the database name already exists/is taken, the following warning will be displayed. Click **OK**.



Select **Create new empty database**, and then click **Next**.

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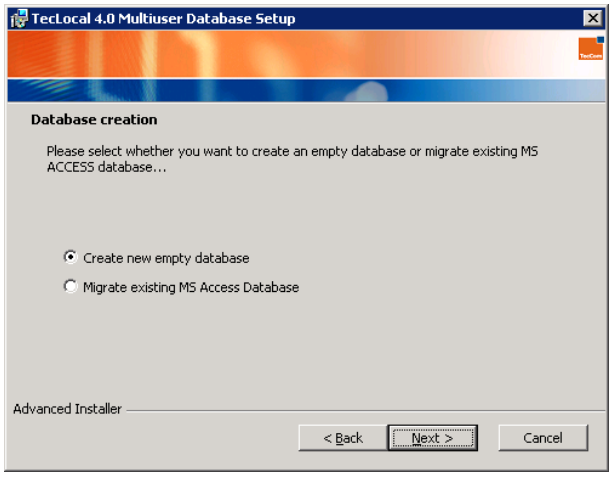
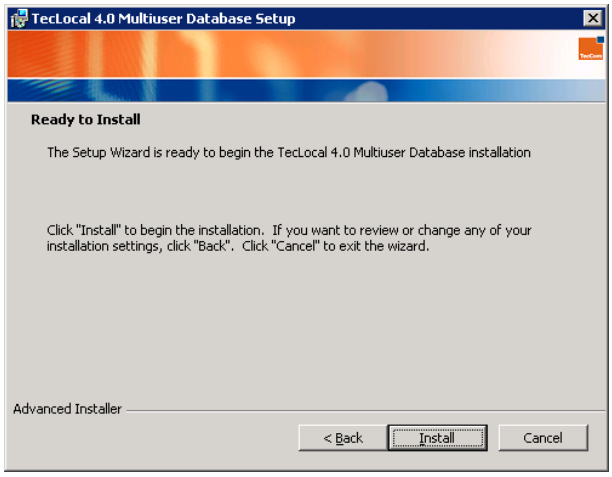
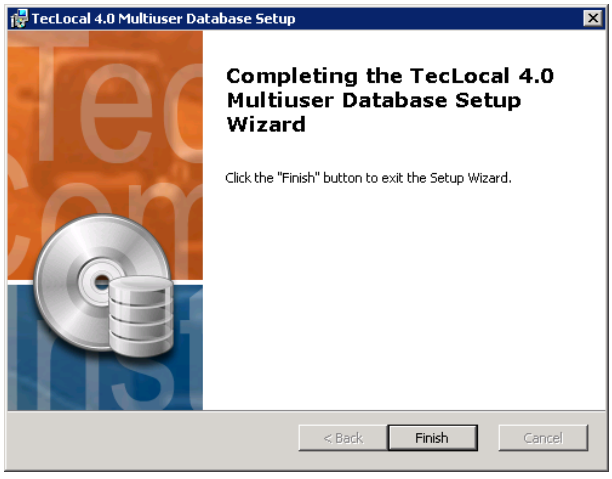

TecLocal 4.0 Multiuser Database Setup
Database creation
Please select whether you want to create an empty database or migrate existing MS ACCESS database...
Create new empty database
Migrate existing MS Access Database
Advanced Installer
< Back
Next >
Cancel

Click **Install** to start the installation.


TecLocal 4.0 Multiuser Database Setup
Ready to Install
The Setup Wizard is ready to begin the TecLocal 4.0 Multiuser Database installation
Click "Install" to begin the installation. If you want to review or change any of your installation settings, click "Back". Click "Cancel" to exit the wizard.
Advanced Installer
< Back
Install
Cancel

Click on **Finish** after the installation is complete.


TecLocal 4.0 Multiuser Database Setup
Completing the TecLocal 4.0 Multiuser Database Setup Wizard
Click the "Finish" button to exit the Setup Wizard.
< Back
Finish
Cancel

An icon **Multiuser database maintenance administration** is automatically created on the desktop of the server.

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When you double click this icon, the **TecLocal 4.0 MultiUser Database Administration Tool** starts up which allows you to administrate and maintain the new Microsoft SQL Express database used for TecLocal 4.0. Details about this administration tool can be found in the next chapter.

3.2 Installation using an existing MS Access Database

If you want to migrate application data of an **existing TecLocal version/installation** (which can also be located on another machine), you need to use the existing MS Access Database for your installation. To do so, follow the steps described in this chapter.

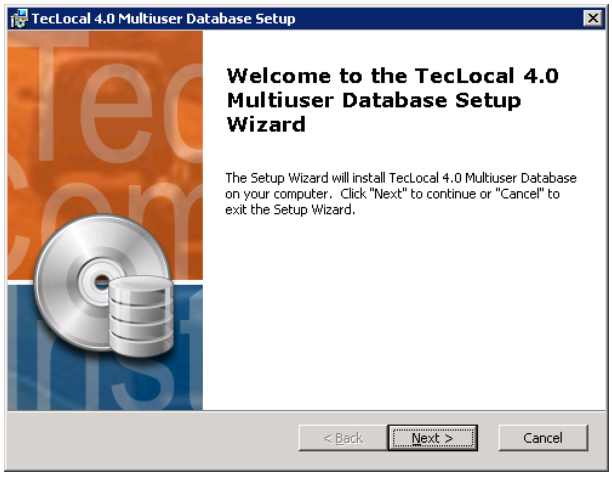
Please note that the **TecLocal version 3.0 Patch D needs to be preinstalled.**

Double click the TecLocal 4.0 MultiUser Database setup file **TecLocalMultiUserDatabase.exe**.

If a security warning appears, click on **Run**.

Open File - Security Warning
The publisher could not be verified. Are you sure you want to run this software?
Name: ...Local\4.0.001\SW\TecLocalMultiUserDatabase.exe
Publisher: Unknown Publisher
Type: Application
From: \\tsclient\T\Solution_Development\Quality_Release...
Run
Cancel
This file does not have a valid digital signature that verifies its publisher. You should only run software from publishers you trust.
How can I decide what software to run?

The Welcome Screen of the setup appears. Click **Next**.


TecLocal 4.0 Multiuser Database Setup
Welcome to the TecLocal 4.0 Multiuser Database Setup Wizard
The Setup Wizard will install TecLocal 4.0 Multiuser Database on your computer. Click "Next" to continue or "Cancel" to exit the Setup Wizard.
< Back
Next >
Cancel

Select the installation folder and then click **Next** to continue.

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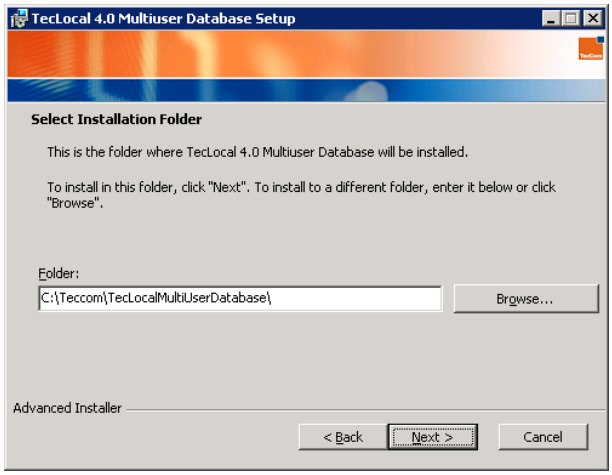
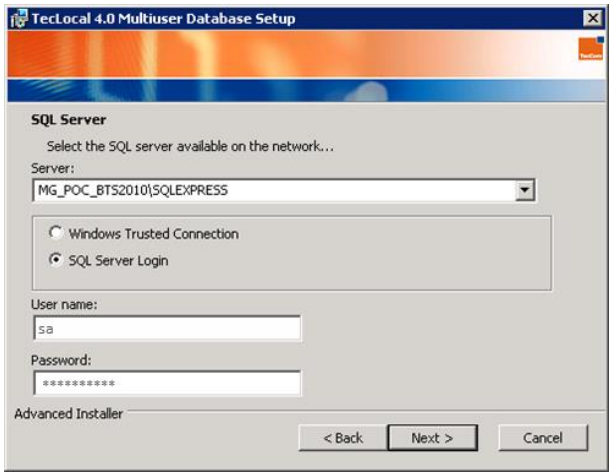

TecLocal 4.0 Multiuser Database Setup
Select Installation Folder
This is the folder where TecLocal 4.0 Multiuser Database will be installed.
To install in this folder, click "Next". To install to a different folder, enter it below or click "Browse".
Folder:
C:\Teccom\TecLocalMultiUserDatabase\
Browse...
Advanced Installer
< Back
Next >
Cancel

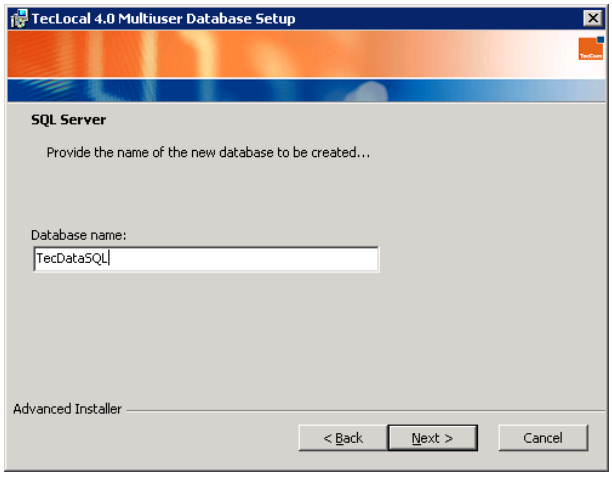
Select the **Server** in the drop down list which is filled automatically.
Note: If an ODBC Connect timeout occurs it can be ignored.

Select **SQL Server Login** as login method, enter the **username** (e.g sa) and the **password** you provided for the installation of SQL 2008R2 SP2 EXPRESS. Click **Next**.



Enter a database name and click on **Next**.

Important note: Make sure to memorize the server and database name when installing TecLocal 4.0 clients.



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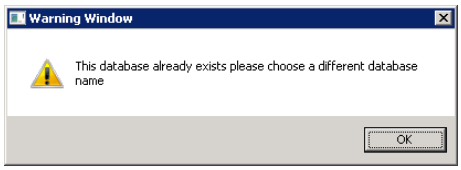
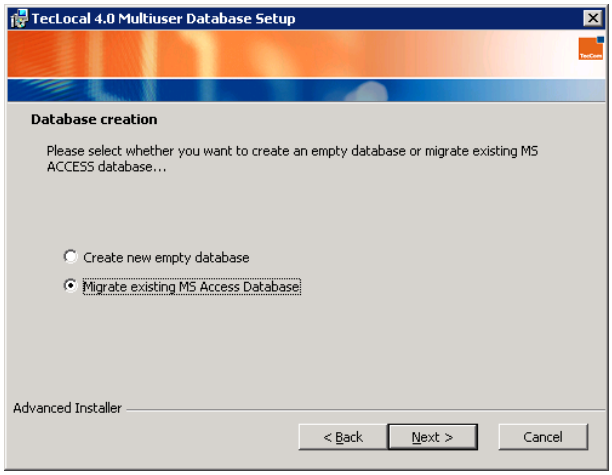
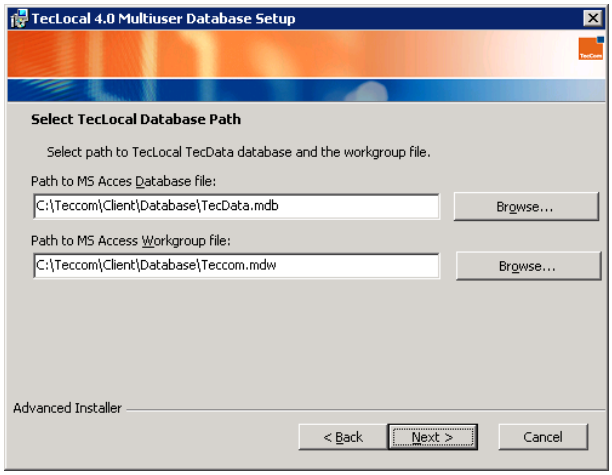
If the database name is already taken, click on **OK** to close the following warning:



Select **Migrate existing MS Access Database**, and click **Next**.


TecLocal 4.0 Multiuser Database Setup
Database creation
Please select whether you want to create an empty database or migrate existing MS ACCESS database...
Create new empty database
Migrate existing MS Access Database
Advanced Installer
< Back
Next >
Cancel

Use the **Browse** buttons to select the path to MS Access Database file and MS Access Workgroup file, and click **Next**.
Please double-check that the path to the “MS Access Workgroup file” is correct!



Note: If there is no TecCom.mdw (MS Access Workgroup file) and TecData.mdb (MS Access Database file) on the server, copy it from a machine where TecLocal 3.0 is running (installation folder …\Client\Database) on the server.

Click **Install** to start the installation process.

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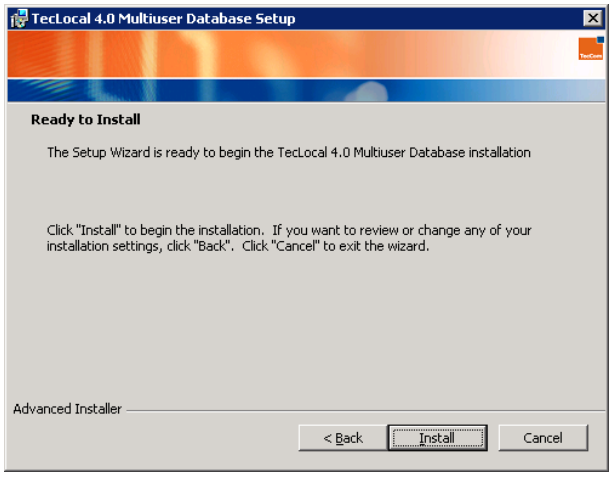
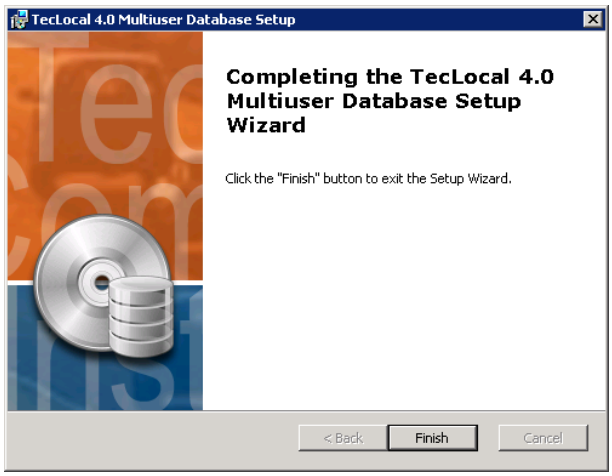

TecLocal 4.0 Multiuser Database Setup
Ready to Install
The Setup Wizard is ready to begin the TecLocal 4.0 Multiuser Database installation
Click "Install" to begin the installation. If you want to review or change any of your installation settings, click "Back". Click "Cancel" to exit the wizard.
Advanced Installer
< Back
Install
Cancel

Click on **Finish** after the installation is complete.


TecLocal 4.0 Multiuser Database Setup
Completing the TecLocal 4.0 Multiuser Database Setup Wizard
Click the "Finish" button to exit the Setup Wizard.
< Back
Finish
Cancel

An icon **Multiuser database maintenance administration** is automatically created on the desktop of the server.

If you click with the right mouse button on this icon and select **Run as administrator**, the **TecLocal 4.0 MultiUser Database Administration Tool** is started which allows you to administrate and maintain the new Microsoft SQL Express database used for TecLocal 4.0. Details about this administration tool can be found in the next chapter.

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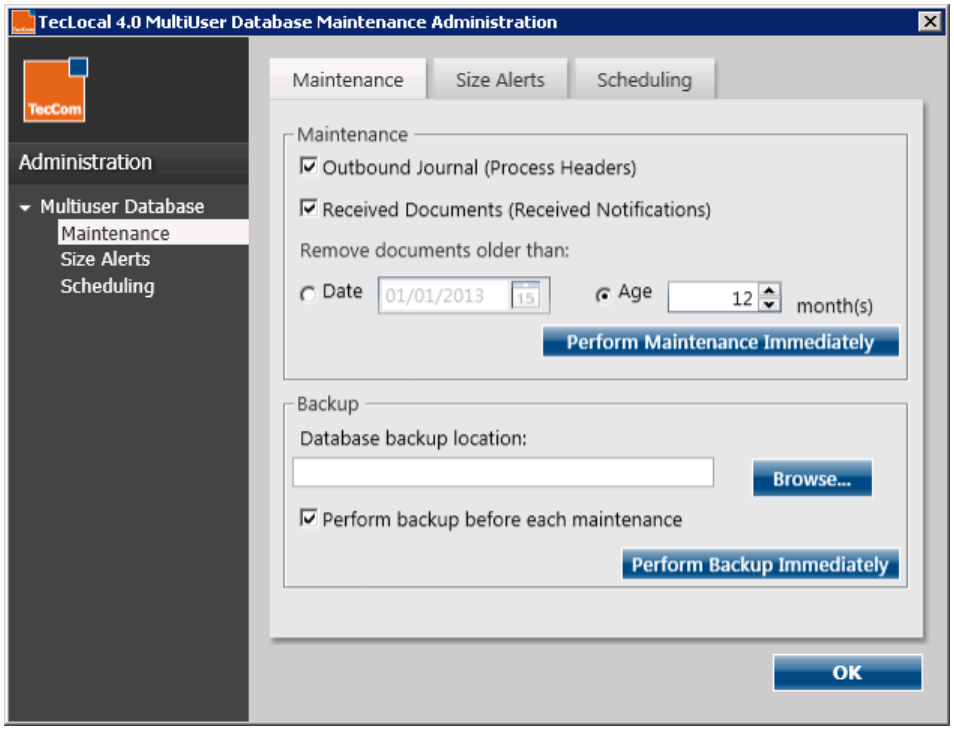
4 TecLocal 4.0 MultiUser Database Maintenance Administration

The following chapter will give you an overview of the MultiUser Database Maintenance Administration tool's main functionality. Since this new database used for TecLocal 4.0 is a free Microsoft SQL Express database, storage is limited to 10 GB requiring regular maintenance and administration (efforts) The MultiUser Database Administration tool represents an user-friendly and convenient means to achieve this.

Click with the right mouse button on the **Multiuser database maintenance administration** icon on the server's desktop and select **Run as administrator**:

4.1 Tab "Maintenance"



Area "Maintenance"

- Outbound Journal (Process Headers): check this option if you want the administration tool to remove documents contained in the Outbound Journal
- Received Documents (Received Notifications): check/select this option if you want the administrator to remove the documents contained in Received Documents
- Remove documents based on/according to:
  - Date: select this option if you want to remove documents by date; all documents created before the specified date will be removed.

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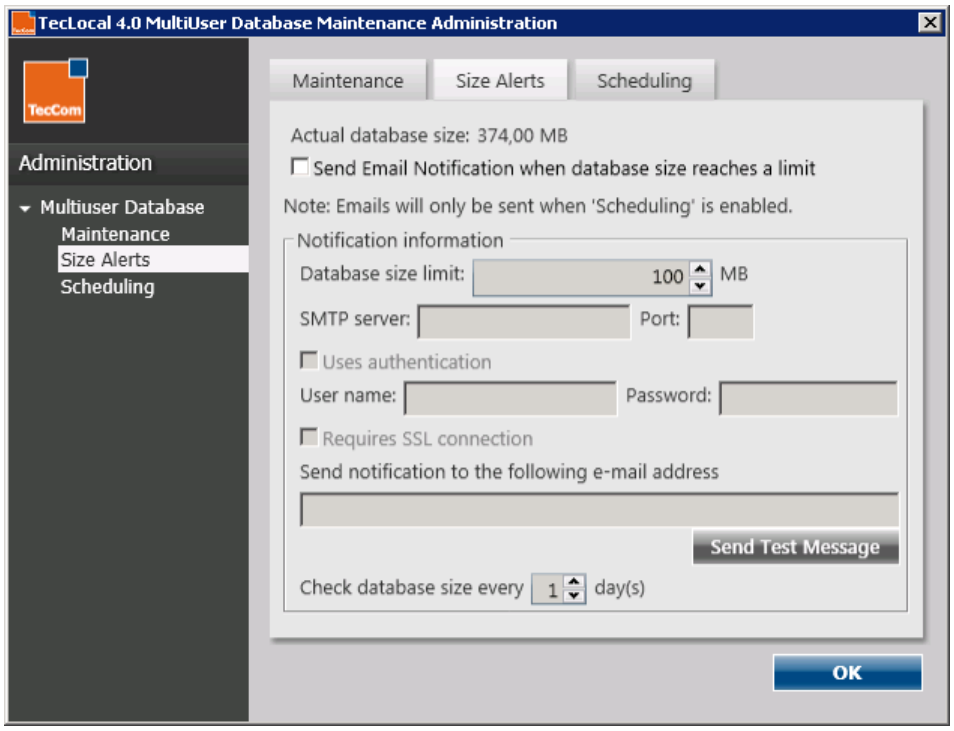
- Age: select this option if you want to remove documents by age; the document with an age older than the value (in months) set in this option will be removed.

- Perform Backup Immediately: click this button to manually remove documents

Area “Backup”

- Database backup location: use the “Browse” button to select the folder where the backup files will be stored. If no directory is selected in this field, backups will be stored in the following path [MS SQL Backup Folder]\TecLocalMultiUserDB_xxxxxxxxxxxxx.bak.
- Perform Backup before each maintenance: if this option is checked/selected, every time that maintenance is performed the application will make a backup of the database.
  Perform Backup Immediately: click this button/select this option to manually backup your database

4.2 Size Alerts



- Actual database size: displays actual size of the database in megabytes (MB).
- Send Email Notification when database size reaches a limit: check this option if you want to be notified when the database reaches a certain size; when it is checked the notification information form gets active.

Notification information

- Database size limit: when the database reaches the size specified in this option, the application will send a notification email.
- SMTP server: enter your SMTP server used to send the notification email.
- Port: type the port used to send the notification email.
  - Uses authentication: check this option if the SMTP server requires authentication User name: enter the user name for the SMTP server.
  - Password: enter the corresponding password.

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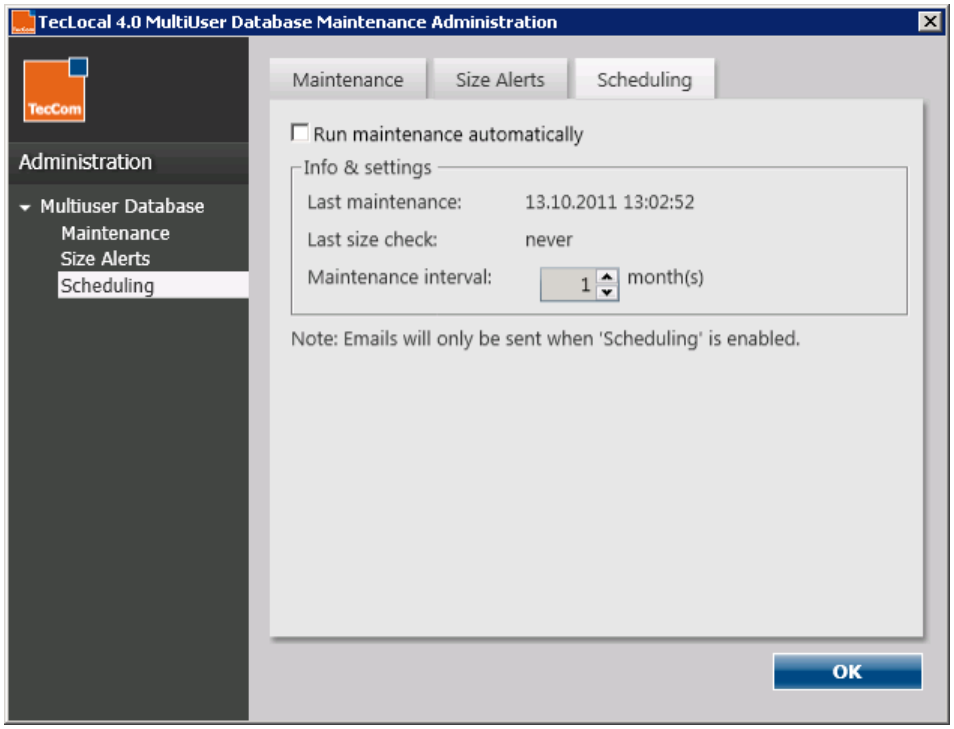
- Requires SSL connection: check this option if a SSL connection is required to send the notification email.
- Send notification to the following e-mail address: enter the e-mail address where the notification email (from noreplay@tecalliance.net) will be send to.
- Send Test Message: click this button to test the notification information; the application will send a test email to the email address provided.
- Check database size every: set a specific time period (in days) in which the application will check the database size.

Note: If you don't know your SMTP server's access data it is also possible to configure your Windows Server 2008 OS to work as a SMTP server. For details contact your IT administrator.

4.3 Scheduling



- Run maintenance automatically: check this option if you want maintenance to be performed automatically.
- Info & settings:
  - Last maintenance: displays the date and time when the last maintenance was performed.
  - Last size check: shows the date and time when the last size check was performed.
  - Maintenance interval: set the period of time in months when the automatic maintenance should be performed.

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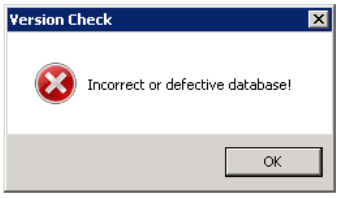
5 Trouble Shooting

5.1 Open Ports to connect TecLocal client with SQL databases

Even if access to the multiuser database has been configured correctly, you might still receive the following database error message **when you start TecLocal 4.0**.



This may be due to an active firewall between the TecLocal 4.0 client and the server with the SQL Express database containing the TecLocal application data. You might need to open TCP/IP ports **on the server side** to allow the connection.

(For details see http://support.microsoft.com/kb/968872/de)

The default UDP port for SQL Browser is 1434.

To open this port on the server you have to do the following:

1. Open the **command line** (cmd.exe) on the server where the SQL Express database is running.
2. Enter the following command:
   netsh firewall set portopening UDP 1434 "SQL-Browser"
3. Close the command line and restart the TecLocal 4.0 client on the other machine.

The default TCP port for SQLEXPRESS is 1433.

If the TecLocal 4.0 client is still not able to connect to the SQL Express database you need to check if SQL Express uses a different TCP/IP port and open this port on your server as well. We recommend to use port 1433 for the SQL Server Express connections. There must be a rule for incoming traffic on this port, if a (Windows) firewall is active.

To do so, carry out the following steps:

1. On the server, launch the **SQL Server Configuration Manager via Start → Microsoft SQL Server 2008 R2 → Configuration Tools.**
2. In the left panel of the **SQL Server Configuration Manager** expand the node **SQL Server Network Configuration**, then select **Protocols for SQLEXPRESS** and in the right panel select **TCP/IP**
3. Right click on TCP/IP and select **Properties.**
4. In the TCP/IP properties window, scroll down to **IP All** and blank the port number listed in **TCP Dynamic Ports**. This will disable the dynamic port usage. In the textfield below, enter **1433** as the **TCP Port**. Click **OK.**

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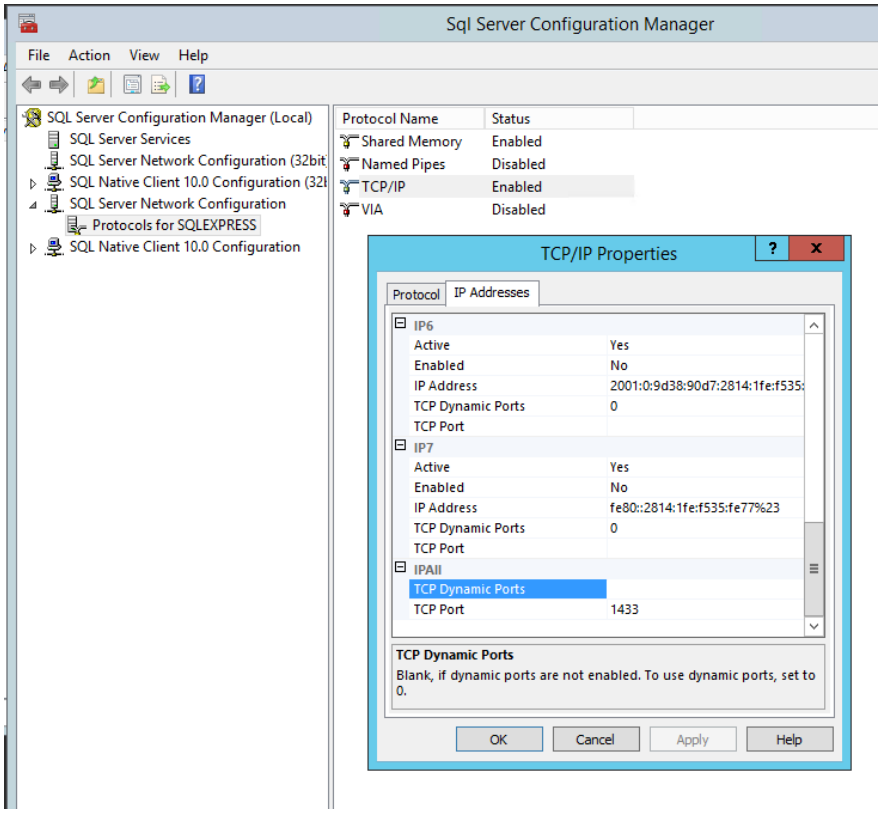

5. Restart the SQL Server service by clicking **SQL Server Services → SQL Server (SQLEXPRESS)** → (right-click) → **Restart**
6.
7. Close the **SQL Server Configuration Manager**.
8. Open **command line** (cmd.exe) on the server.
9. Enter the following command:
   netsh firewall set portopening TCP 1433 "SQL-Server-Port"
10. Close the command line and restart the TecLocal 4.0 client on the client machine.

5.2 TecCom Helpdesk

In case of problems using TecCom please turn to the TecCom Helpdesk:

Monday – Friday, 8 a.m. – 6 p.m. (CET)
Phone: +49 (0)180 2 TECCOM*
+49 (0)180 2 83 22 66*
+49 (0) 89 321216 127
Fax: +49 (0)89 321 216-100
Email: support.muc@tecalliance.net

Visit us on the Internet at: www.teccom.eu and www.tecalliance.net

*0,06 € per call from a Germany based landline

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